Name:

Date:

Grade:

**Washington Latin**

**ASTRA Entrance Assessment**

**Topic: Multi-Digit Addition**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | Find the sum: |  |  |
| 2 | 2,096 + 3,567 |  |  |
| 3 | 924, 651 + 400, 864 |  |  |

**Amount Correct**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **2** | **3** | **Total:** |

**Topic: Multi-Digit Subtraction**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | 600,009  -300,239 |  |  |
| 2 | 891 - n = 209 |  |  |
| 3 | 578,123 - 67,902 |  |  |

**Amount Correct**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **2** | **3** | **Total:** |

**Topic: Place Value and Estimation**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | Write 6,906 in expanded form |  |  |
| 2 | There are 20,000 species of bees. Which of the following numbers would round to 20,000 when rounded to the nearest ten thousand?  a. 19,034  b. 27,894  c. 22,346  d. 19,456 |  |  |
| 3 | 546, 400 and 4, 856    The value of 6 in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is  \_\_\_\_\_\_\_\_\_\_\_\_ times larger than the value of 6 in \_\_\_\_\_\_\_\_\_\_\_ |  | The value of 6 in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is  \_\_\_\_\_\_\_\_\_\_\_\_ times larger than  the value of 6 in \_\_\_\_\_\_\_\_\_\_\_ |
| 4 | **492,309**  Round to the nearest  Ten:  Hundred:  Thousand:  Ten Thousand:  Million: |  | Ten:  Hundred:  Thousand:  Ten Thousand:  Million: |

**Amount Correct**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **Total:** |

**Topic: Multiples and Factors**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | What are the first twelve multiples of 8? |  |  |
| 2 | What are the factors of 36? |  |  |
| 3 | Is 27 a prime or composite number? Why? |  |  |

**Amount Correct**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **2** | **3** | **Total:** |

**Topic: Multiplication**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | (6 x 5) x 2 = |  |  |
| 2 | 3,567 x 6= |  |  |
| 3 | 54 x 93 = |  |  |

**Amount Correct**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **2** | **3** | **Total:** |

**Topic: Division**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | 13 ÷ 2= |  |  |
| 2 | 256 ÷ 8 = |  |  |
| 3 | 162 ÷ 6 = |  |  |

**Amount Correct**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **2** | **3** | **Total:** |

**Topic: Fractions**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | Write as a fraction greater than 1 |  |  |
| 2 | What are two fractions equivalent to ? |  |  |
| 3 | Draw a model of 1/3. |  |  |
| 4 | Each circle is equal to one whole.    What fraction is represented by the shaded parts? |  |  |

**Amount Correct**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **Total:** |

**Topic: Fraction Operations**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Question | Work | Solution |
| 1 | Find the sum. |  |  |
| 2 | Riley jogs 3/4 of a mile each day for a week. How far did he jog in one week? |  |  |
| 3 |  |  |  |
| 4 | Find the difference: |  |  |

**Amount Correct**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **Total:** |